



Serial No.: 09/710,510

PATENT

**CERTIFICATE OF MAILING (37 C.F.R. § 1.8(a))**

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to: Certificate of Correction Branch, Commissioner for Patents, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450.

February 14, 2006  
Date

Denise G. Bachtel  
Name of person mailing paper

*Denise G. Bachtel*  
Signature

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Wei et al

Serial No.: 09/710,510

Filing Date: Nov. 9, 2000

Patent No.: 6,972,147

Issue Date: Dec. 6, 2005

Title: FLOURESCENT POLYMERIC ARTICLES FABRICATED FROM  
U.V. LIGHT ASBORING POLYMER

Examiner: Duc Truong

Docket No.: AVERP2952US

**REQUEST FOR CORRECTED CERTIFICATE OF CORRECTION OF PATENT**

ATTN: Certificate of Correction Branch  
Commissioner for Patents  
U.S. Patent and Trademark Office  
P.O. Box 1450  
Alexandria, VA 22313-1450

**Certificate  
FEB 23 2006  
of Correction**

Sir:

Request is made for issuance of a corrected Certificate of Correction to correct Office mistakes in the printing of the subject patent. Although the Certificate of Correction was issued, the location set forth in the Certificate is incorrect and therefore fails to correct the error cited in the original Request for Certificate of Correction filed on December 19, 2005.

Correction was sought for an error in Claim 27, Line 2 (corresponding to Column 18, Line 41). The issued Certificate of Correction listed the correct language but listed the error as appearing in Column 18, Line 2 instead of Claim 27, Line 2.

Enclosed, please find the following documents:

1. A copy of the request for certificate of correction as filed December 19, 2005 (2 pages);
2. A copy of completed form PTO/SB/44 as filed December 19, 2005 showing the correction(s) to be made;
3. A copy of page 13 (Column 18, Claim 27) of the issued patent, showing the error to be corrected in Claim 27 (the location is highlighted in yellow and the error is circled in red);
4. A copy of the issued Certificate of Correction signed and sealed on February 7, 2006.
5. Completed form PTO/SB/44 in duplicate for issuance of the corrected Certificate.

Upon issuance, please send the corrected Certificate to:

Heidi A. Boehlefeld  
Renner, Otto, Boisselle & Sklar, LLP  
1621 Euclid Avenue  
19th Floor  
Cleveland, Ohio 44115

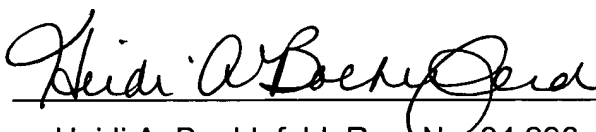
Serial No.: 09/710,510

PATENT

No fee is believed to be necessary, but if there are any fees resulting from this communication, please charge same to our Deposit Account No. 18-0988, Order No. AVERP2952US.

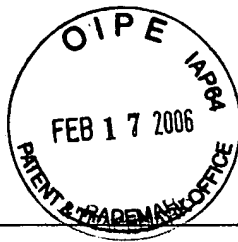
Respectfully Submitted,

RENNER, OTTO, BOISSELLE & SKLAR, LLP

By   
Heidi A. Boehlefeld; Reg. No. 34,296

RENNER, OTTO, BOISSELLE & SKLAR, LLP  
1621 Euclid Avenue  
19th Floor  
Cleveland, Ohio 44115

Tel.: (216) 621-1113  
Fax: (216) 621-6165



Serial No.: 09/710,510

PATENT

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December 19, 2005  
Date

Denise G. Bachtel  
Name of person mailing paper

Denise G. Bachtel  
Signature

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Wei et al

Serial No.: 09/710,510

Filing Date: Nov. 9, 2000

Patent No.: 6,972,147

Issue Date: Dec. 6, 2005

Title: FLOURESCENT POLYMERIC ARTICLES FABRICATED FROM  
U.V. LIGHT ASBORBING POLYMER

Examiner: Duc Truong

Docket No.: AVERP2952US

**REQUEST FOR CERTIFICATE OF CORRECTION OF PATENT**  
**(FOR PTO MISTAKE UNDER 37 C.F.R. § 1.322(a))**

ATTN: Certificate of Correction Branch  
Commissioner for Patents  
U.S. Patent and Trademark Office  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Request is made for issuance of a certificate of correction to correct Office mistakes in the printing of the subject patent. Enclosed in duplicate is completed form PTO/SB/44 showing the correction(s) to be made.

To expedite issuance of the certificate of correction, the following table identifies where in the record the correct language can be found.

Serial No.: 09/710,510

PATENT

Location of Error	Location of Correct Language
Claim 27, Ln. 2	Application, Pg. 39

Upon issuance, please send the Certificate to:

Heidi A. Boehlefeld  
Renner, Otto, Boisselle & Sklar, LLP  
1621 Euclid Avenue  
19th Floor  
Cleveland, Ohio 44115

No fee is believed to be necessary, but if there are any fees resulting from this communication, please charge same to our Deposit Account No. 18-0988, Order No. AVERP2952US.

Respectfully Submitted,

RENNER, OTTO, BOISSELLE & SKLAR, LLP

By Heidi A. Boehlefeld  
Heidi A. Boehlefeld; Reg. No. 34,296

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19th Floor  
Cleveland, Ohio 44115

Tel.: (216) 621-1113  
Fax: (216) 621-6165

**UNITED STATES PATENT AND TRADEMARK OFFICE  
CERTIFICATE OF CORRECTION**Page 1 of 1

PATENT NO. : 6,972,147  
APPLICATION NO.: 09/710,510  
ISSUE DATE : Dec. 6, 2005  
INVENTOR(S) : Wei et al

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

**Claim 27, Ln. 2,** replace "layer or a light" with "--layer of a light--".

**MAILING ADDRESS OF SENDER (Please do not use customer number below):**

Renner, Otto, Boisselle & Sklar LLP  
1621 Euclid Ave. - 19th Floor  
Cleveland, Ohio 44115

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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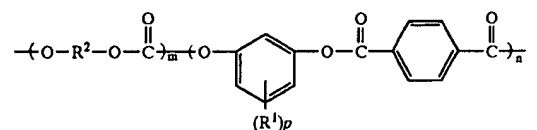
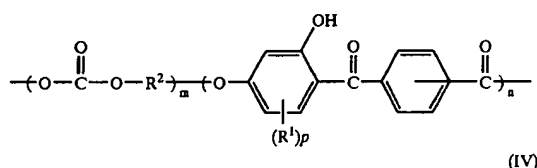
poly(ethylene terephthalate), poly(cyclohexanedimethanol terephthalate), and poly(cyclohexanedimethanol-co-ethylene terephthalate).

6. The article of claim 4 wherein the additional polymer comprises poly(ethylene terephthalate).

7. The article of claim 4 wherein said additional polymer comprises polycarbonate.

8. The article of claim 1 wherein said at least one polymer resin comprises a block copolyester-carbonate having arylate blocks and carbonate blocks.

9. The article of claim 8 wherein the block copolyester-carbonate comprises one or both of the following repeating units:



wherein each R¹ is independently H or C₁-C₁₂ alkyl, p is 0-3, each R² is independently a divalent organic radical; m is about 2-200; and n is about 30-150.

10. The article of claim 1 in the form of a retroreflective sheeting material.

11. The article of claim 1 wherein the fluorescent dye comprises a dye selected from the group consisting of perylene dyes, perylene ester dyes, perylene imide dyes, thioxanthone dyes, thioindigoid dyes, thioxanthene dyes, benzoxanthene dyes, benzothiazine dyes, naphthalimide dyes, coumarin dyes, and mixtures thereof.

12. The article of claim 11 wherein the fluorescent dye comprises a thioxanthene dye.

13. The article of claim 12 wherein the thioxanthene dye comprises Solvent Yellow 98.

14. The article of claim 11 wherein the fluorescent dye comprises a perylene, perylene imide, or perylene ester dye.

15. The article of claim 14 wherein the fluorescent dye comprises any one or more of Lumogen F Yellow 083, Lumogen F Yellow 240, and Lumogen F Red 300.

16. The article of claim 11 wherein the fluorescent dye comprises a benzoxanthene dye.

17. The article of claim 11 wherein the fluorescent dye comprises a benzothiazine dye.

18. The article of claim 1 wherein said polymeric resin matrix further comprises one or more additives selected from the group consisting of U.V. light absorbing additives and hindered amine light stabilizing additives, said one or more additives being present as an admixture in said polymeric resin matrix.

19. The article of claim 1 further comprising a plurality of retroreflective elements selected from the group consisting of microprismatic cube corners and glass microspheres.

20. The article of claim 19 wherein said retroreflective elements are microprismatic cube corners.

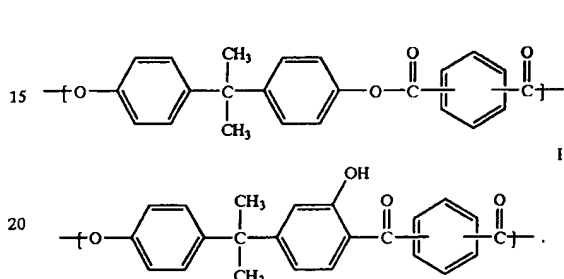
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21. The article of claim 1 in the form of a fluorescent retroreflective sheeting material comprising:

a fluorescent layer comprising said polymeric matrix comprising a polyarylate and a fluorescent dye admixed therein; and

a plurality of retroreflective elements.

22. The sheeting material of claim 21 wherein the polyarylate comprises one or both of the following repeating units (I) and (II):



23. The sheeting material of claim 21 wherein said polymeric resin comprises a blend of polycarbonate and polyarylate.

24. The sheeting material of claim 21 wherein said polymeric resin comprises a blend of poly(ethylene terephthalate) and polyarylate.

25. The sheeting material of claim 21 wherein the fluorescent dye is selected from the group consisting of perylene dyes, perylene ester dyes, perylene imide dyes, thioxanthone dyes, thioindigoid dyes, thioxanthene dyes, benzoxanthene dyes, benzothiazine dyes, naphthalimide dyes, coumarin dyes, and mixtures thereof.

26. The sheeting material of claim 21 wherein said retroreflective elements are microprismatic cube corners on a surface of said fluorescent layer.

27. The sheeting material of claim 21 further comprising a second layer or a light transmissive polymeric material, with the fluorescent layer being disposed in laminar configuration over one surface of said second layer and said retroreflective elements being microprismatic cube corners on the opposite surface of said second layer.

28. The sheeting material of claim 21 wherein said retroreflective elements comprise glass microspheres in an enclosed lens configuration.

29. The sheeting material of claim 21 wherein said retroreflective elements comprise glass microspheres in an encapsulated lens configuration.

30. The sheeting material of claim 21 further comprising a capping film or overlamine film disposed in laminar configuration over said fluorescent layer.

31. The article of claim 1 wherein said polymeric resin absorbs substantial amounts of light in a substantial portion of the light spectrum between about 290-410 nm.

32. An article comprising a fluorescent dye in a polymeric resin matrix, the polymeric resin matrix comprising at least one polymer, or a mixture thereof, which either is, or is capable of undergoing rearrangement into, a U.V. light absorbing polymer material.

33. The article of claim 32 wherein said at least one polymer is a polyarylate.

\* \* \* \* \*

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 6,972,147 B1  
DATED : December 6, 2005  
INVENTOR(S) : Wei et al.

Page 1 of 1

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 18

Line 2, replace "layer or a light" with "layer of a light --".

COPY



Signed and Sealed this

Seventh Day of February, 2006

JON W. DUDAS

Director of the United States Patent and Trademark Office



**UNITED STATES PATENT AND TRADEMARK OFFICE  
CERTIFICATE OF CORRECTION**Page 1 of 1

PATENT NO. : 6,972,147

APPLICATION NO.: 09/710,510

ISSUE DATE : Dec. 6, 2005

INVENTOR(S) : Wei et al

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Claim 27, Ln. 2, replace "layer or a light" with --layer of a light--.

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1621 Euclid Ave. - 19th Floor  
Cleveland, Ohio 44115

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## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

Page 1 of 1

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APPLICATION NO.: 09/710,510

ISSUE DATE : Dec. 6, 2005

INVENTOR(S) : Wei et al

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Claim 27, Ln. 2, replace "layer or a light" with --layer of a light--.

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PATENT NO. : 6,972,147 B1  
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Column 18,

Line 2, replace "layer or a light" with -- layer of a light --.

Signed and Sealed this

Seventh Day of February, 2006

A handwritten signature in black ink, reading "Jon W. Dudas", is written over a rectangular area with a light gray dot grid background.

JON W. DUDAS  
*Director of the United States Patent and Trademark Office*